

BALANCED ACCURACY FOR EXTRACTION

Abstract of the Disclosure

A method and system for performing parasitic extraction, wherein the method comprises calculating the minimum output impedance for a network-connected component comprising a plurality of ports thereby producing a labeled impedance, estimating the minimum output impedance for every net, comparing the labeled impedance with the estimated impedance, and selecting the net which needs to be extracted based on a ratio of values of the labeled impedance and the estimated impedance. The step of calculating comprises labeling every port with a minimum size of port impedance, a resistance from a port to power, and a minimum capacitance of a port-net inside the network connected component. The step of estimating comprises using a geometry of segments of the net comprising a summation of area and perimeter values of all the segments of the net, or calculating a resistance over a length of a total net versus an average width of the net.

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Figures

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